PATENT COOPERATION TREATY

From the Japan Patent Office

(INTERNATIONAL PRELIMINARY EXAMINING AUTHORITY)

PCT

To: Agent of Applicant Hajime Takashima		WRITTEN O	PINION OF THE INT	'ERNA'	ΓΙΟΝΑL		
Meiji Yasuda Seimei Osaka M		PRELIMINARY EXAMINING AUTHORITY					
1-1, Fushimimachi 4-chome, Chuo-ku Osaka 541-0044 JAPAN		(PCT Rule 66)					
		Date of mailing (day/month/year	r) 28.6.20	05			
Applicant's or agent's file reference	09651	REPLY DUE	within 2 from the above da	month			
·		ate (day/month/year) Priority date (day/month/year) 10.06.2003		rear)			
International Patent Classification (IPC)	Int. Cl ⁷	G01N33/53					
Applicant DAINIPPON PHAR	MACEUTICAL CO., I	TD					
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☐ Box No. IV Lack of unity ☐ Box No. V Reasoned state applicability, ☐ Box No. VI Certain document ☐ Box No. VII Certain obser ☐ Box No. VIII Certain obser	ment of opinion with regret of invention tement under Rule 66.2(a citations and explanation ments cited in the international approximations on the internation	following items: gard to novelty, invent (ii) with regard to no as supporting such stat	ive step and industrial a	pplicab	ility		
3. The applicant is hereby invited to re	ply to this opinion.						
When? See the time limit indicated above. The applicant may, before the expiration of that time limit, request this Authority to grant an extension, see Rule 66.2(d). An extension is granted only when a rational reason exists and schedule is not full							
How? By submitting a written reply, accompanied, where appropriate, by amendments, according to Rule 66.3. For the form and the language of the amendments, see Rules 66.8 and 66.9.							
Also For an additional opportunity to submit amendments, see Rule 66.4. For the examiner's obligation to consider amendments and/or argument, see Rule 66.4bis. For an informal communication with the examiner, see Rule 66.6.							
If no reply is filed, the international preliminary examination report will be established on the basis of this opinion.							
The final date by which the international preliminary examination report must be established according to Rule 69.2 is: 21.10.2005							
NT					T		
Name and mailing address		Authorized officer		2J	9217		

Examiner

Shoko Yamamura

Telephone No. 03-3581-1101 extension 3252

Japan Patent Office (IPEA/JP)

Chiyoda-ku, Tokyo 100-8915 Japan

4-3, Kasumigaseki 3-chome

WRITTEN OPINION OF THE INTERNATIONAL PRELIMINARY EXAMINING AUTHORITY

Intern. application No.PCT/JP2004/008471

I. Basis of the opini	on				
	indicated under this item,	this written opinion was drawn up based on the language in which			
		nguagewhich is:			
		ed for the purposes of the international search (under Rule 12.3 and			
23.1(b)).	-				
		ternational application (under Rule 12.4).			
[] the langua	ge of a translation furnished	ed for the purposes of the international preliminary examination			
(under Ru	le 55.2 and/or 55.3).				
2. This opinion has b	een drawn up on the basis of	(Substitute sheets which have been furnished to the receiving Office in			
_	-	ferred to in this opinion as "originally filed".):			
-	ional application as origina				
[X] the descript	-	9 , as originally filed			
[X] the descript		, received by the International Preliminary			
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	. •	rity on			
		, received by the International Preliminary			
	•	rity on			
[X] the claims:		5, as originally filed			
	Nos.	, as amended under Article 19 PCT			
	Nos. 1, 12, 13, 14, 2	, received by the International Preliminary			
	Examining Author	rity on08, 04, 2005			
	Nos.	, received by the International Preliminary			
		rity on			
IX 1 the drawing		, as originally filed			
[11] 410 414 114	pages/Figs	, received by the International Preliminary Examining			
•	Authority on				
		, received by the International Preliminary Examining			
	Authority on				
	e listing or related table				
see suppler	mentary column relating to	sequence listing,			
3. [] The amendm	ents have resulted in the c	ancellation of:			
•					
[] the description	on, page				
[] the claims, N					
	, sheets/fig				
	listing (specify)				
[] the table rela	ting to sequence listing (or	pecify)			
[] the table lefa	ung to sequence risting (sp	<u></u>			
	has been established as if go beyond the disclosure	(some of) the amendments had not been made, since they have been as filed (Rule 70.2(c)):			
	on, page				
[] the claims, Nos.					
[] the drawings, sheets/fig					
	listing (specify)				
[] the table rela	ting to sequence listing (sp	pecify)			

WRITTEN OPINION OF THE INTERNATIONAL PRELIMINARY EXAMINING AUTHORITY

Intern. application No.PCT/JP2004/008471

III	Non-establishment of opinion with	regard to novelty, inventive step and industrial applicability
1.	The questions whether the claimed is applicable have not been examined in	nvention appears to be novel, to involve an inventive step, or to be industrially in respect of:
	☐ the entire international applicate ☐ claims Nos. 22 and 23	ion,
×	because: the said international application, o does not require an international pr	r the said claim No(s). 22 and 23 relate to the following subject matter which eliminary examination (specify):
	and consequently falls under meth	ims 22 and 23 is that of a commercial method and an advertising method ods of business activities. Claims 22 and 23 relates to a subject matter ional preliminary examination by the International Preliminary Examining).
	the description, claims or drawings that no meaningful opinion could b	(indicate particular elements below) or said claims Nos. is (are) so unclear e formed (specify):
<u> </u>	the claims or said claims Nos. are s be formed.	o inadequately supported by the description that no meaningful opinion could
X	no international search report has be	een established for the said claims Nos. 22 and 23
	the nucleotide and/or amino acid se (guideline for preparing specification Administrative Instructions In that:	quence listing does not comply with the standard provided for in Annex C on etc containing base sequence and/or amino acid sequence) of the
		has not been furnished does not comply with the standard
		☐ has not been furnished☐ does not comply with the standard
		and/or amino acid sequence listing, if in computer readable form only, do not ents provided for in Annex C-bis of the Administrative Instructions.
	□ have not been furnished□ do not comply with the tec	chnical requirements
	See separate sheet for further details	S

WRITTEN OPINION OF THE INTERNATIONAL PRELIMINARY EXAMINING AUTHORITY

International application No. PCT/JP2004/008471

V. Reasoned statement under Rule 66.2(a)(ii) with regard to novelty, inventive step and industrial applicability; citations and explanations supporting such statement

11 - 6					
1. Statement					
Novelty (N)	Claims	1-11, 24, 25	YES		
	Claims	12-21	NO		
Inventive Step (IS)	Claims	1-11	YES		
	Claims	12-21, 24, 25	NO		
Industrial Applicability (IA)	Claims	1-21, 24-25	YES		
	Claims		NO		

2. Citations and Explanations

Reference 1: CHEST Vol.123, No.5 (May 2003) p.1375-1378

Claims 12-21, 24 and 25

Reference 1 describes use of a monoclonal antibody specific to D-dimer, for the measurement of D-dimer level in patients suspected to have acute aortic dissection.

The reagent described in claims 12-21 is considered to contain an antibody that recognizes D-dimer suitable for the evaluation of the diseases described in each of these claims. On the other hand, a monoclonal antibody specific to the D-dimer described in Reference 1 is the same as the antibody of claims 12-21 as a substance, and is not considered to be a form unsuitable for the evaluation of the diseases described in claims 12-21.

Therefore, the invention relating to claims 12-21 lacks novelty (see PCT international search and international preliminary examination Guideline 5.23).

In addition, use of an antibody for the production of a reagent is expected to be done by those of ordinary skill in the art.

Claims 1-11

Determination of possibility of having developed acute aortic dissection when the measured D-dimer concentration is not less than the blood D-dimer cut-off value pre-established between acute aortic dissection and acute myocardial infarction, and determination of the onset of Stanford type A acute aortic dissection, Stanford type B acute aortic dissection or acute myocardial infarction based on the measurement of the D-dimer concentration are not described in any of the references cited in the International Search Report, nor are they obvious to those of ordinary skill in the art.